

ABSTRACT OF THE DISCLOSURE

A disclosed exposure device performs controlling exposing dose by gradations of $\{n \times (m - 1) + 1\}$ stages representing shadow to highlight for each color when exposing the maximum n times under a condition that every light-emitting element is exposure-gradation controlled independently at m -stages. When a silver halide photosensitive material is used as a photosensitive material, light sensitivity is high in the order of red, green and blue. The number of aligned rows of red light-emitting elements is greater than those of aligned rows of other colors for reducing the light-emitting intensity on a time-average basis for every red light-emitting element. The area of red light-emitting elements and the area of green and blue light-emitting elements are simultaneously and independently passive-matrix driven by corresponding driving circuits. Of each light-emitting element, the driving duty improves and the peak light-emitting intensity reduces.